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IN THE CLAIMS

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1. (Currently Amended) For use in a wireless network, a base station capable of serving multiple mobile stations, said base station comprising:

a transceiver operable to receive from a select one of the multiple mobile stations a ~~pilot strength signal~~ a differential pilot strength corresponding to a difference between a value of a first pilot strength signal and a value of a second pilot strength signal over a beam update time and a power control signal a differential power control comprising a cumulative value of a power control signal over said beam update time and corresponding to a difference between a value of said power control signal at a first time in said beam update time and a value of said power control signal at a second time in said beam update time; and

beam forming circuitry operable to form a downlink traffic beam spatially directed to serve said select one of said multiple mobile stations, said downlink traffic beam having a beam width set as a function of said pilot strength signal and said power control signal.